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 Firm Name: U.S. PATENT AND TRADEMARK OFFICE  
 Fax Number: 703-872-9306 Telephone No.: \_\_\_\_\_  
 From: Kenneth J. Cool  
 Date: April 26, 2004 Time: \_\_\_\_\_  
 Operator: Krista Mathieson Matter: 42390.P12040D  
 Number of pages including cover sheet: 11  
 In Re Patent Application of: "Optical Probe for Wafer Testing"  
 Application No.: 10/670,025  
 Filed: September 24, 2003  
 For: Damion T. Sears  
 Enclosed are the following documents: Attached are the following: a Transmittal form and the Amendment Response.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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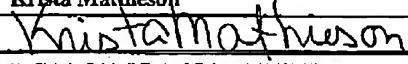
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05/01/03

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application No.	10/670,025
		Filing Date	September 24, 2003
		First Named Inventor	Damion T. Searls
		Art Unit	2826
		Examiner Name	Williams, Alexander O.
Total Number of Pages in This Submission	10	Attorney Docket Number	42P12040D

<b>ENCLOSURES (check all that apply)</b>		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> PTO/SB/08 <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Basic Filing Fee <input type="checkbox"/> Declaration/POA <input type="checkbox"/> Response to Missing Parts under 37 CFR, 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <div style="border: 1px solid black; padding: 5px; height: 40px; width: 100%;">Certificate of Transmission via facsimile.</div>
Remarks		

<b>SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT</b>	
Firm or Individual name	Kenneth J. Cool, Reg. No. 40,570 BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
Signature	
Date	APRIL 26, 2004

<b>CERTIFICATE OF MAILING/TRANSMISSION</b>	
I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Typed or printed name	Krista Mathieson
Signature	
Date	April 26, 2004

Based on PTO/SB/21 (02-04) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 02/10/2004.  
SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Docket No.: 42P12040D

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APR 26 2004

Appl. No. : 10/670,025 Confirmation No. 4529  
 Inventor : Damion T. Searls  
 Assignee : Intel Corporation  
 Filed : September 24, 2003  
 Art Unit : 2826  
 Examiner : Williams, Alexander O.  
 Title : Semiconductor Device With Components Embedded in  
 Backside Diamond Layer

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OFFICE ACTION RESPONSE

MS Non-Fee Amendment  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action mailed March 29, 2004, reconsideration and further examination of the application is hereby requested. Kindly consider the following:

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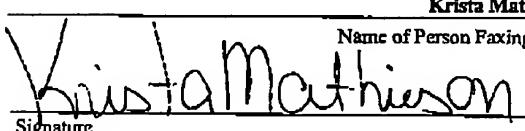
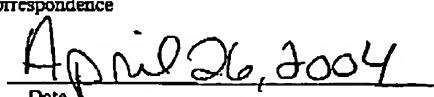
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Date

Docket No.: 42P12040D  
Appl. No.: 10/670,025

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Docket No.: 42P12040D

**INTRODUCTORY COMMENTS****Request for an Extension of Time**

This Office Action Response is submitted in response to the Office Action dated March 29, 2004 for which the shortened statutory period for response was set to expire on April 29, 2004. It is believed that no additional extension of time fee is required. In the event any extension of time fee is required, or any other fee related to this Response is required, please consider this a request therefore. Authorization is hereby given to charge Deposit Account No. 50-0221 for such fee or fees.

**Authorization to Charge Deposit Account**

Authorization is hereby given to charge Deposit Account No. 50-0221 for any fee or fees related to this Office Action Response.

Docket No.: 42P12040D  
Appl. No.: 10/670,025

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